

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 580

Date:- 04-01-2023

NAME OF SITE

Gram Panchayat- Hatsa BLOCK- Khudaganj Katra DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
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ISO* 9001 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HATSA, BLOCK- KHUDAGANJ KATRA,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.Jan.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 30	15	Medium sand	Good
4.	30 - 35	5	Clay kankar	
5.	35 - 45*	10	Medium sand	Good
6.	45 - 55	10	Clay kankar	
7.	55 - 81*	26	Fine to Medium sand	Good
8.	81 - 87	6	Clay kankar	
9.	87 - 95*	8	Medium sand	Good
10.	95 - 100	5	Clay kankar	
11.	100 - 122*	22	Medium sand	Good
12.	122 - 130	8	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



Ground Water Survey Consultancy

Rio 2
 NI6 (SV)
 NSQ(LIN)
 LAT

Logging Details:
 Log No: 1001
 Date: 03/21/22
 Location: Agra
 UIC: 1001
 11 51
 UIC: 1001

Logger Site:
 IGS/S/03/21-22

E) SP (m V)
 Logger/Recorder:
 DMP-L-2
 Logger Operator:
 Ground Water Survey
 Consistency - Agra
 India

